

WHAT IS CLAIMED:

1. A method for processing a print job, comprising modifying a raster operation function to have fewer variables than originally specified by said print job.

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2. The method of claim 1, wherein said modifying further includes determining whether said function has a variable with a black or white identity.

3. The method of claim 2, further including determining whether an ink variable is black or white.

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4. The method of claim 2, further including determining whether an object variable is black or white.

5. The method of claim 4, further including determining whether said object variable is one of a character, a stencil and an image.

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6. The method of claim 1, wherein said modifying further includes determining whether said function has a destination variable unaltered in a to-be-painted area.

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7. The method of claim 1, wherein said function includes two of a destination variable, an object variable and an ink variable, said modifying further including reducing said function to a single variable.

8. The method of claim 1, wherein said function includes one of a destination variable, an object variable and an ink variable, said modifying further including reducing said function to no variable.

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9. The method of claim 1, further executing said modified function.

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10. A method for processing a PCL print job in a rendering device, said PCL print job specifying a raster operation function, comprising determining whether said function has one or more variables.

5 11. The method of claim 10, wherein said function has said one or more variables, further including modifying said function to have fewer said variables than specified by said PCL print job.

12. The method of claim 11, further including executing said modified function.

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13. The method of claim 10, wherein said modifying further includes determining whether said function has a variable with a black or white identity.

14. The method of claim 13, further including determining whether an ink variable is
15 black or white.

15. The method of claim 13, further including determining whether an object variable is black or white.

20 16. The method of claim 15, further including determining whether said object variable is one of a character, a stencil and an image.

17. The method of claim 10, wherein said modifying further includes determining whether said function has a destination variable unaltered in a to-be-painted area.

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18. A method for processing a PCL print job in a rendering device, said PCL print job specifying a raster operation function, comprising:

determining whether said function has one or more variable;

30 wherein said function has said one or more variables, modifying said function to have fewer said variables than specified by said PCL print job; and
executing said modified function.

19. The method of claim 18, wherein said modifying further includes determining whether said function has a variable with a black or white identity.

5 20. The method of claim 18, wherein said modifying further includes determining whether said function has a destination variable unaltered in a to-be-painted area.

21. A printer having stored computer executable instructions for executing the steps comprising:

10 determining whether a raster operation function presented to said printer has one or more variables;

when said function has said one or more variables, modifying said function to have fewer said variables; and

executing said modified function.

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22. The method of claim 21, further including setting a flag or not in response to said modifying.

20 23. The method of claim 21, further including determining whether said function requires a hard processing operation or not.

24. The method of claim 21, further including constructing a display list having a plurality of to-be-printed objects, each having an ink attribute where said modified function resides.